STD - 7 FIRST MID TERM TEST - 2023

SCIENCE

Time : 1.00 Hours] [Marks : 30

I. Choose the correct answer. 6x1=6

1. A particle is moving in a circular path of radius r. The displacement after half a circle would be.
   (a) Zero (b) r (c) 2r (d) r/2
2. ------ is a positively charged
   (a) Proton (b) electron (c) Molecule (d) Neutron
3. Which of the following is a derived quantity?
   (a) mass (b) time (c) area (d) length
4. SI unit of density is
   (a) Kg/m^2 (b) Kg/m^3 (c) Kg/m (d) g/m^3
5. Proton discoverer --------.
   (a) Goldstein (b) Thomson (c) Chadwick (d) Ruther ford
6. Reproductive part of a plant is
   (a) root (b) Stem (c) leaf (d) Flower

II. Answer the following : (Any 7) 7x2=14

7. Match it:
   i) Area - light year
   ii) Distance - m^3
   iii) Density - m^2
   iv) Volume - Kg / m^3
8. What are the derived quantities?
9. What do you mean by constant acceleration?
10. Define - Atom.
11. i) Velocity : metre / Second :: Acceleration : ------
    ii) Displacement / time : velocity
    Speed / time : ------
12. What is Atomic number?
13. Define - Pollination.
14. Wrtie notes on Phyllode.
15. What are the characteristics of Proton?
16. State true or false. If false correct the statement.
    i) Conical shaped root is carrot.
    ii) Ginger is an underground root.

III Answer in Detail . 2x5 = 10

17. i) What are nucleons? Write the Properties of the nucleons.

    (OR)

    ii) Explain the underground Stems.
18. i) How will you determine the density of a stone using a measuring jar?

    (OR)

    ii) Distinguish isotopes from isobar.